

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An information -transmitting method for transmitting program guide information, said method comprising the steps of:

processing commercial information which corresponds to said program guide information and which is automatically displayed for a single program column or a plurality of program columns ~~in sequence~~ on a program guide screen in a receiver and is transmitted together with said program guide information;

wherein, when a cursor is moved onto a program column of the program guide screen, said commercial information is automatically transmitted and displayed successively, without actuating the cursor, in accordance with address information comprising said commercial information ~~when a cursor is moved onto a program column of said program guide screen;~~ and

selectively picking program content data from a plurality of program content regions and combining the selectively picked program content data from said plurality of program content regions with transmitted screen layout data and previously stored standard screen layout data to create said program guide screen;

wherein said program content data includes at least three types of data, modifiable broadcast data, fixed broadcast data and comparatively large-sized broadcast data; and

wherein said selectively picked program content data are categorized in at least two types of data with different structures and formats.

2. (Original) The information transmitting method according to claim 1, wherein said commercial information includes at least image data.
3. (Original) The information transmitting method according to claim 2, wherein said commercial information further includes sound data.
4. (Original) The information transmitting method according to claim 1, wherein said commercial information further includes address information of a computer which provides the detailed information of said commercial.
5. (Currently Amended) The information transmitting method according to claim 1, wherein

said program guide information is composed of a plurality of ~~hierarchy~~ hierarchical levels in accordance with the data size, ~~wherein~~ the first ~~hierarchy~~ hierarchical level having a small amount of data includes identification information for identifying said commercial information and the second ~~hierarchy~~ hierarchical level having a large amount of data ~~includes~~ including identification information for identifying said commercial information and the actual commercial information.
6. (Currently Amended) A receiving apparatus for receiving a broadcasting signal including commercial information and electronic program guide information, said receiving apparatus comprising:

separating section for separating said program guide information from the received broadcasting signal;

processor for displaying commercial information in a part of a display area and an electronic program guide screen including program columns corresponding to a plurality of programs based on the separated electronic program guide information;

wherein, when a cursor is moved onto a program column of said program guide screen, said processor performs display processing to automatically and successively display, without actuating the cursor, for a single program column or a plurality of program columns ~~in sequence~~ a plurality of commercial information in said part of the display area on said electronic program guide screen; and

program guide processing means for selectively picking program content data from a plurality of program content regions and combining the selectively picked program content data from said plurality of program content regions with transmitted screen layout data and previously stored standard screen layout data to create said program guide screen;

wherein said program content data includes at least three types of data, modifiable broadcast data, fixed broadcast data and comparatively large-sized broadcast data; and

wherein said selectively picked program content data are categorized in at least two types of data with different structures and formats.

7. (Previously Presented) The receiving apparatus according to claim 6, comprising:
specifying means for specifying a commercial information displayed on a part of said program guide screen; and

communication means for communicating with an external computer through a computer network, wherein

said processor picks up the detailed information of said commercial information from the external computer through said communication means to display the picked up detailed information, based on the address information included in said commercial information, when said commercial information is specified by said specifying means.

8. (Previously Presented) The receiving apparatus according to claim 6, wherein said processor, when one program column is selected on said electronic program guide screen, performs display processing to display a program details screen showing in detail the program corresponding to the program column selected and to sequentially display plural items of commercial information included in the program in a part of the display area on said program details screen.

9. (Previously Presented) The receiving apparatus according to claim 8, wherein said processor, when commercial information being displayed in said part of the display area on said program details screen is designated, performs display processing to display a commercial details screen showing in detail said designated commercial information.

10. (Previously Presented) The receiving apparatus according to claim 6, wherein said processor, when commercial information being displayed in said part of the display area on said electronic program guide screen is designated, performs display processing to display a commercial details screen showing in detail said commercial information designated.

11. (Previously Presented) The receiving apparatus according to claim 6, wherein said commercial information is commercial information of sponsors for providing said programs.

12-13. (Canceled)

14. (Previously Presented) The receiving apparatus according to claim 6, wherein said commercial information includes at least image data.

15. (Previously Presented) The receiving apparatus according to claim 14, wherein said commercial information further includes audio data.

16. (Currently Amended) A receiving method, comprising the steps of:
receiving a broadcasting signal including commercial information and electronic program guide information;

separating said electronic program guide information from the broadcasting signal received;

displaying commercial information in a part of a display area and an electronic program guide screen having program columns corresponding to a plurality of programs on the basis of the separated electronic program guide information;

moving a cursor onto one program column on said electronic program guide screen being displayed;

automatically and successively displaying, without actuating the cursor, for a single program column or a plurality of program columns ~~in sequence~~ a plurality of said commercial information included in the one program onto which the cursor has been moved, in said part of the display area on said electronic program guide screen; and

selectively picking program content data from a plurality of program content regions and combining the selectively picked program content data from said plurality of program content regions with transmitted screen layout data and previously stored standard screen layout data to create said program guide screen;

wherein said program content data includes at least three types of data, modifiable broadcast data, fixed broadcast data and comparatively large-sized broadcast data; and

wherein said selectively picked program content data are categorized in at least two types of data with different structures and formats.

17. (Previously Presented) The receiving method according to claim 16, wherein when one program column is selected on said electronic program guide screen, a program details screen showing in detail the program corresponding to the program column selected, and plural items of commercial information included in the program are sequentially displayed in a part of the display area on said program details screen.

18. (Previously Presented) The receiving method according to claim 17, wherein when commercial information being displayed in said part of the display area on said program details screen is designated, a commercial details screen showing in detail the designated commercial information is displayed.

19. (Previously Presented) The receiving method according to claim 16, wherein when commercial information being displayed in said part of the display area on said electronic program guide screen is designated, a commercial details screen showing in detail the designated commercial information is displayed.

20. (Previously Presented) The receiving method according to claim 16, wherein said commercial information is commercial information of sponsors for providing said programs.

21. (Previously Presented) The receiving method according to claim 16, wherein said commercial information includes address information of a computer on a computer network for providing detailed information of said commercials.

22. (Currently Amended) A broadcasting system, comprising:
a transmitting apparatus for transmitting a broadcasting signal including commercial information and electronic program guide information; and
a receiving apparatus for receiving said broadcasting signal separating said electronic program guide information from the broadcasting signal received, said receiving apparatus:
displaying commercial information in a part of a display area and an electronic program guide screen having program columns corresponding to a plurality of programs on the basis of the separated electronic program guide information;

moving a cursor onto one program column on said electronic program guide screen being displayed;

automatically and successively displaying, without actuating the cursor, for a single program column or a plurality of program columns ~~in sequence~~ a plurality of said commercial information included in the one program onto which the cursor has been moved, in said part of the display area on said electronic program guide screen; and

selectively picking program content data from a plurality of program content regions and combining the selectively picked program content data from said plurality of program content regions with transmitted screen layout data and previously stored standard screen layout data to create said program guide screen;

wherein said program content data includes at least three types of data, modifiable broadcast data, fixed broadcast data and comparatively large-sized broadcast data; and

wherein said selectively picked program content data are categorized in at least two types of data with different structures and formats.

23. (Previously Presented) The broadcasting system according to claim 22, wherein said commercial information is commercial information of sponsors for providing said programs.

24. (Previously Presented) The broadcasting system according to claim 22, wherein said commercial information includes address information of a computer on a computer network which provides detailed information of said commercials.

25. (Previously Presented) The broadcasting system according to claim 22, wherein said commercial information includes at least image data.

26. (Previously Presented) The broadcasting system according to claim 25, wherein said commercial information further includes audio data.

27. (Previously Presented) The information transmitting method according to claim 1, wherein when a cursor is moved onto one program column on said electronic program guide screen, display processing is performed to automatically display for a single program column or a plurality of program columns in sequence a plurality of commercial information included in one program onto which the cursor has been moved in said part of the display area on said electronic program guide screen.

28. (Previously Presented) The receiving apparatus according to claim 6, wherein when a cursor is moved onto one program column on said electronic program guide screen, said processor performs display processing to sequentially display a plurality of commercial information included in one program onto which the cursor has been moved in said part of the display area on said electronic program guide screen.

29. (Previously Presented) The receiving method according to claim 16, wherein when a cursor is moved onto one program column on said electronic program guide screen, display processing is performed to sequentially display a plurality of commercial information

included in one program onto which the cursor has been moved in said part of the display area on said electronic program guide screen.

30. (Previously Presented) The broadcasting system according to claim 22, wherein when a cursor is moved onto one program column on said electronic program guide screen, display processing is performed to sequentially display a plurality of commercial information included in one program onto which the cursor has been moved in said part of the display area on said electronic program guide screen.

31. (New) An information -transmitting method for transmitting program guide information, the method comprising the steps of:

processing commercial information which corresponds to the program guide information and which is automatically displayed for a single program column or a plurality of program columns on a program guide screen in a receiver and is transmitted together with the program guide information;

wherein, when a cursor is moved onto a program column of the program guide screen, the commercial information is automatically transmitted and displayed successively, without actuating the cursor, in accordance with address information comprising the commercial information.

32. (New) A receiving apparatus for receiving a broadcasting signal including commercial information and electronic program guide information, the receiving apparatus comprising:

separating section for separating the program guide information from the received broadcasting signal;

processor for displaying commercial information in a part of a display area and an electronic program guide screen including program columns corresponding to a plurality of programs based on the separated electronic program guide information;

wherein, when a cursor is moved onto a program column of the program guide screen, the processor performs display processing to automatically and successively display, without actuating the cursor, for a single program column or a plurality of program columns a plurality of commercial information in the part of the display area on the electronic program guide screen.

33. (New) A receiving method, comprising the steps of:

receiving a broadcasting signal including commercial information and electronic program guide information;

separating the electronic program guide information from the broadcasting signal received;

displaying commercial information in a part of a display area and an electronic program guide screen having program columns corresponding to a plurality of programs on the basis of the separated electronic program guide information;

moving a cursor onto one program column on the electronic program guide screen being displayed;

automatically and successively displaying, without actuating the cursor, for a single program column or a plurality of program columns a plurality of the commercial information

included in the one program onto which the cursor has been moved, in the part of the display area on the electronic program guide screen.

34. (New) A broadcasting system, comprising:

a transmitting apparatus for transmitting a broadcasting signal including commercial information and electronic program guide information; and

a receiving apparatus for receiving the broadcasting signal separating the electronic program guide information from the broadcasting signal received, the receiving apparatus:

displaying commercial information in a part of a display area and an electronic program guide screen having program columns corresponding to a plurality of programs on the basis of the separated electronic program guide information;

moving a cursor onto one program column on the electronic program guide screen being displayed;

automatically and successively displaying, without actuating the cursor, for a single program column or a plurality of program columns a plurality of the commercial information included in the one program onto which the cursor has been moved, in the part of the display area on the electronic program guide screen.